

Choosing & Evaluating Emergency Animal Burial Sites at CAFOs

Presented by

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Basic Principles of Preparedness – 5 Ps

P – Prior

P – Preparation

P – Prevents

P – Poor

P - Performance

Topics covered in this session:

- How to choose & evaluate a burial site.
- How to apply for a pre-selected burial site.
- Example site evaluation.

How to choose & evaluate a burial site:

- Main Considerations:
 - Location
 - Geology/Soils
 - Logistical Issues

Location

- Nearby for quick disposal & prevent disease spread
- Away from...
 - feed lot pens if they will be repopulated
 - water supply wells
 - dwellings, schools, daycare, hospitals, restaurants, public roads, parks, cemeteries
 - airports

Location (continued)

- Avoid...
 - historical/archeological sites
 - critical habitat for endangered/threatened species
 - surface waters/wetlands
 - 100-year flood plains
 - sensitive groundwater areas
 - utilities
- Provide vertical separation from groundwater table

Location (continued)

- Property owner permission required*
- Local government approval required*

* When emergency occurs

Geology/Soils

- Avoid...
 - unstable areas (sinkholes, etc.)
 - areas with porous/fractured bedrock
 - areas with fast-draining soils
 - areas with shallow groundwater table
 - areas with high groundwater flow rates

Logistical Issues

- Large enough site to fit the burial trenches and staging areas
- Access for heavy equipment
- Safe work setting
- Control drainage
- Soil cover
- Equipment washdown/decontamination
- Land use limitations
- Ability to monitor the site
- Etc.

How to apply for a pre-selected burial site:

- Application form in your workshop manual & available at www.kdhe.state.ks.us/waste .
- Basic information needed:
 - Company name & contact info
 - Site location & size
 - Type & number of animals
 - Groundwater table elevation

How to apply for a pre-selected burial site:

- Basic information needed (continued):
 - Map of site showing nearby features (roads, buildings, wells, etc.)
 - Flood map with site location shown
 - Sensitive groundwater map with site location shown
 - Property ownership info
 - Soil type

Application (continued)

- The application does NOT authorize you to bury animal carcasses or other types of waste!
- If an emergency occurs, you must request authorization at that time.
- The authorization request should be made on the Guideline for Disaster Response: Solid Waste Management Authorization Application form in your workshop manual.

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
1000 SW Jackson Street
Topeka, KS 66612



**GUIDELINE FOR ANIMAL DISEASE
EMERGENCY RESPONSE
Solid Waste Management
Authorization Application**

Applicant Information

Livestock Facility Owner/Operator _____

Mailing Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Disposal Information

Type of Facility (please check one) _____ Transfer Site _____ Disposal Site _____

Type of waste _____

Amount of waste _____

How was waste generated? _____

Date disposal will begin _____

Projected date disposal will end _____

Disposal Site Information

County _____ 1/4 _____ 1/4 _____ Sec _____ T _____ R _____

Property Owner _____

Location Address _____

City _____ State _____ Zip _____

Location Phone _____

I, _____, the property owner, agree to allow this property to be used for this disposal purpose.

White - Zoning Authority Canary - BWM/Topeka Pink - District Office Blue - Landowner

Application shall be made by the livestock facility owner/operator.

The livestock facility owner/operator agrees to the following:

1. A site cleanup and closure plan shall be developed and submitted to the Department for approval.
2. No additional waste may be brought to the site following the Department's approval of the site cleanup and closure plan. The disposal area must be covered with a minimum of three feet of soil and seeded, rocked, or paved.
3. The livestock facility owner/operator shall provide for post-closure maintenance of the area.
4. A restrictive covenant shall be filed for all areas where waste is disposed.

Signature of the livestock facility owner/operator taking responsibility for the site:

_____ Date _____

Name _____ Position /Title _____
(printed)

(this section to be completed by local governmental or zoning authority having jurisdiction over the disposal site)

Approved by _____ Date _____
(local governmental or zoning authority)

Name _____ Position /Title _____
(printed)

Signature _____

(This section to be completed by authorized representative of the Kansas Department of Health and Environment)

KDHE approval as per authority under K.S.A. 65-3407c(a)(5).

Authorized KDHE Representative _____ Date _____

Name _____ Position/Title _____
(printed)

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**GUIDELINE FOR ANIMAL DISEASE
EMERGENCY RESPONSE
Solid Waste Management
Authorization Application**

Applicant Information

Governmental Authority _____

Mailing Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Disposal Information

Type of Facility (please check one) _____ Transfer Site _____ Disposal Site _____

Type of waste _____

Amount of waste _____

How was waste generated? _____

Date disposal will begin _____

Projected date disposal will end _____

Disposal Site Information

County _____ 1/4 _____ 1/4 _____ Sec _____ T _____ R _____

Property Owner _____

Location Address _____

City _____ State _____ Zip _____

Location Phone _____

I, _____, the property owner, agree to allow this property to be used for this disposal purpose.

White - Zoning Authority Canary - BWM/Topeka Pink - District Office Blue - Landowner

Application shall be made by the local governmental authority having jurisdiction over the area.

The local governmental authority agrees to the following:

1. A site cleanup and closure plan shall be developed and submitted to the Department for approval.
2. No additional waste may be brought to the site following the Department's approval of the site cleanup and closure plan. The disposal area must be covered with a minimum of three feet of soil and seeded, rocked, or paved.
3. The local governmental authority shall provide for post-closure maintenance of the area.
4. A 5 year restrictive covenant shall be filed for all areas where waste is disposed.

Signature of the Local Governmental Authority taking responsibility for the site:

_____ Date _____

Name _____ Position /Title _____
(printed)

(this section to be completed by local governmental or zoning authority having jurisdiction over the disposal site)

Approved by _____ Date _____
(local governmental or zoning authority)

Name _____ Position /Title _____
(printed)

Signature _____

(This section to be completed by authorized representative of the Kansas Department of Health and Environment)

KDHE approval as per authority under K.S.A. 65-3407c(a)(5).

Authorized KDHE Representative _____ Date _____

Name _____ Position/Title _____
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